

# A SYSTEM FOR QUANTITATIVE RADIOGRAPHIC IMAGING

## ABSTRACT OF THE DISCLOSURE

A system for spectroscopic imaging of bodily tissue in which a scintillation screen and a charged coupled device (CCD) are used to accurately image selected tissue.

5 An x-ray source generates x-rays which pass through a region of a subject's body, forming an x-ray image which reaches the scintillation screen. The scintillation screen reradiates a spatial intensity pattern corresponding to the image, the pattern being detected by a CCD sensor. The image is digitized by the sensor and processed by a controller before being stored as an electronic image. Each image is directed onto an 10 associated respective CCD or amorphous silicon detector to generate individual electronic representations of the separate images.

“The 100 best books” is a list of 100 books selected by the American Library Association (ALA) in 2000.